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(54) Title: TREATMENT OF DISEASES ASSOCIATED WITH THE EGR-1 ENHANCER ELEMENT

(57) Abstract: Compounds and methods are provided for treating patients suffering from health condition associated with an expression state of a gene such as fertility disorders, cancer, proliferative diseases, vascular diseases, wounds requiring therapeutic intervention, inflammation, and pulmonary disorders by administering to said patient a compound capable of modulating egr-1 and/or an egr-1 response element consensus sequence thereby altering the expression state of said gene. Also described are new methods for screening compounds to identify effectors of egr-1 and/or egr-1 consensus sequence elements and methods for treating patients by administering such effectors to modulate egr-1 and/or egr-1 consensus sequences to thereby modify expression of genes associated therewith to in turn treat diseases or other physiological conditions associated with such gene expression.